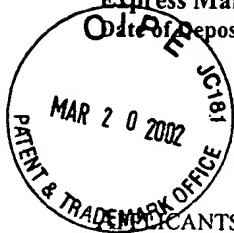


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Attorney Docket No.: 21402-157 (Cura-457)

03-21-02

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Grosse, et al.
SERIAL NUMBER: 09/976,782
FILING DATE: October 12, 2001
FOR: Novel Proteins and Nucleic Acids Encoding Same

EXAMINER: Not Yet Assigned
ART UNIT: 1645

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Box IDS
Assistant Commissioner for Patents
Washington, D.C. 20231

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TRANSMITTAL LETTER

Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (2 pages), in duplicate;
2. Modified Form 1449/PTO (3 pages) in duplicate;
3. Copies of cited references C1-C53; and
4. Return Postcard

No fee is believed to be due at this time. However, the Commissioner is authorized to charge any fees that may be due to Deposit Account No. 50-0311, Reference No. 21402-157 (Cura-457). A duplicate copy of this transmittal letter is enclosed.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at 617/542-6000, Boston, Massachusetts.

Respectfully submitted,

42.267

Ivor R. Elrifi, Reg. No. 39,529
Attorney for Applicants
c/o MINTZ, LEVIN, COHN, FERRIS
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Dated: March 20, 2002

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Attorney Docket No. 21402-157 (Cura-457)



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Commissioner for Patents

Washington, D.C. 20231

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INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed on the attached modified Form PTO-1449, as well as copies of the listed documents.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits in the above-identified case. Accordingly, no fee or certification is believed required.

A copy of each of the references in the above-identified application is enclosed unless otherwise indicated on the attached modified Form PTO-1449. It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed form PTO-1449 to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that: (1) a search has been performed, of the extent of any search performed, or that more relevant information does not exist; (2) the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b); and (3) the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

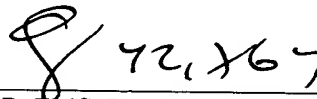
APPLICANTS:
U.S.S.N.:

Grosse, et al.
09/976,782

Notwithstanding any statements by the Applicants, the Examiner is urged to form his/her own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested.

Please charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 21402-157.

Respectfully submitted,

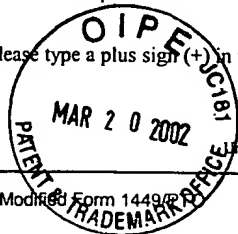
A handwritten signature in dark ink, appearing to be 'Ivor R. Elrifi', with the number '72,167' written to its right.

Ivor R. Elrifi, Reg. No. 39,529
Attorney for Applicants
MINTZ, LEVIN, COHN, FERRIS,
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Dated: March 20, 2002

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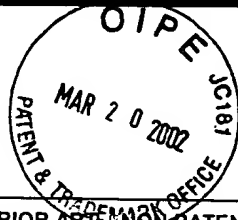
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	09/976,782
	Filing Date	October 12, 2001
	First Named Inventor	Grosse
	Group Art Unit	1645
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	21402-157

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS					
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
/	C1	Alderborn, et al. (2000). "Determination of single-nucleotide polymorphisms by real-time pyrophosphate DNA sequencing." <i>Genome Res</i> 10(8): 1249-58.
/	C2	Armstrong, et al. (1998). "Spatial distribution of diffuse, primitive, and classic amyloid-beta deposits and blood vessels in the upper laminae of the frontal cortex in Alzheimer disease." <i>Alzheimer Dis Assoc Disord</i> 12(4): 378-83.
/	C3	Avraham, et al. (1995). "Structural and functional studies of the intracellular tyrosine kinase MATK gene and its translated product." <i>J Biol Chem</i> 270(4): 1833-42.
/	C4	Baguley, et al. (1993). "Serotonin involvement in the antitumour and host effects of flavone-8- acetic acid and 5,6-dimethylxanthenone-4-acetic acid." <i>Cancer Chemother Pharmacol</i> 33(1): 77-81.
/	C5	Barletta, et al. (1990). "Subchromosomal localization of two human cytokeratin genes (KRT4 and KRT15) by in situ hybridization." <i>Cytogenet Cell Genet</i> 54(3-4): 148-50.
/	C6	Bennett, et al. (1994). "Identification and characterization of a novel tyrosine kinase from megakaryocytes." <i>J Biol Chem</i> 269(2): 1068-74.
/	C7	Brown, et al. (2000). "Cerebrovascular pathology in Alzheimer's disease and leukoaraiosis." <i>Ann N Y Acad Sci</i> 903: 39-45.
/	C8	D'Amato, et al. (2000). "Seizures induce widespread upregulation of cystatin B, the gene mutated in progressive myoclonus epilepsy, in rat forebrain neurons." <i>Eur J Neurosci</i> 12(5): 1687-95.
/	C9	Deak, et al. (1997). "Primary structure and expression of matrilin-2, the closest relative of cartilage matrix protein within the von Willebrand factor type A-like module superfamily." <i>J Biol Chem</i> 272(14): 9268-74.
/	C10	Derry, et al. (2000). "Sik (BRK) phosphorylates Sam68 in the nucleus and negatively regulates its RNA binding ability." <i>Mol Cell Biol</i> 20(16): 6114-26.
/	C11	Drebin, et al. (1995). "Molecular cloning and chromosomal localization of the human homologue of a B-lymphocyte specific protein tyrosine kinase (blk)." <i>Oncogene</i> 10(3): 477-86.
/	C12	Dymecki, et al. (1990). "Specific expression of a tyrosine kinase gene, blk, in B lymphoid cells." <i>Science</i> 247(4940): 332-6.
/	C13	Fuchs (1988). "Keratins as biochemical markers of epithelial differentiation." <i>Trends Genet</i> 4(10): 277-81.
/	C14	Geisert, et al. (1992). "A CNS specific proteoglycan associated with astrocytes in rat optic nerve." <i>Brain Res</i> 571(1): 165-8.



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Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
/	C15	GenBank Accession Number: A56040 (02-JUN-2000).
/	C16	GenBank Accession Number: AF181263 (10-MAR-2000).
/	C17	GenBank Accession Number: AJ007581 (24-NOV-1998).
/	C18	GenBank Accession Number: D26186 (06-FEB-1999).
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/	C20	GenBank Accession Number: M37033 (03-MAR-1994).
/	C21	GenBank Accession Number: P04080 (16-OCT-2001).
/	C22	GenBank Accession Number: P19397 (16-OCT-2001).
/	C23	GenBank Accession Number: P35365 (01-OCT-1996).
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/	C26	GenBank Accession Number: X03491 (12-SEP-1993).
/	C27	GenBank Accession Number: X07695 (13-JUL-1995).
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/	C29	Islam, et al. (1995). "Molecular cloning, characterization, and chromosomal localization of a human lymphoid tyrosine kinase related to murine Blk." <i>J Immunol</i> 154(3): 1265-72.
/	C30	Jay, et al. (1997). "Isolation and regional mapping of cDNAs expressed during early human development." <i>Genomics</i> 39(1): 104-8.
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/	C33	Korge, et al. (1990). "Effect of retinoids on hyperproliferation-associated keratins K6 and K16 in cultured human keratinocytes: a quantitative analysis." <i>J Invest Dermatol</i> 95(4): 450-5.
/	C34	Kozak, et al. (1991). "Genetic mapping of the gene for a novel tyrosine kinase, Blk, to mouse chromosome 14." <i>Genomics</i> 9(4): 762-4.
/	C35	Leake, et al. (2000). "Brain matrix metalloproteinase 1 levels are elevated in Alzheimer's disease." <i>Neurosci Lett</i> 291(3): 201-3.
/	C36	Merrick, et al. (1995). "Glial cells of the lamprey nervous system contain keratin-like proteins." <i>J Comp Neurol</i> 355(2): 199-210.
/	C37	Mischke and Wild (1987). "Polymorphic keratins in human epidermis." <i>J Invest Dermatol</i> 88(2): 191-7.
/	C38	Mischke, et al. (1990). "Allele frequencies and segregation of human polymorphic keratins K4 and K5." <i>Am J Hum Genet</i> 46(3): 548-52.
/	C39	Mitchell, et al. (1994). "Cloning and characterisation of cDNAs encoding a novel non-receptor tyrosine kinase, brk, expressed in human breast tumours." <i>Oncogene</i> 9(8): 2383-90.
/	C40	Pennacchio, et al. (1998). "Progressive ataxia, myoclonic epilepsy and cerebellar apoptosis in cystatin B-deficient mice." <i>Nat Genet</i> 20(3): 251-8.
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/	C42	Rocha, et al. (1998). "Cocaine self-administration in dopamine-transporter knockout mice." <i>Nat Neurosci</i> 1(2): 132-7.
/	C43	Romano, et al. (1988). "Chromosomal assignments of human type I and type II cytokeratin genes to different chromosomes." <i>Cytogenet Cell Genet</i> 48(3): 148-51.
/	C44	Rugg, et al. (1995). "A mutation in the mucosal keratin K4 is associated with oral white sponge nevus." <i>Nat Genet</i> 11(4): 450-2.
/	C45	Sakano, et al. (1994). "Molecular cloning of a novel non-receptor tyrosine kinase, HYL (hematopoietic consensus tyrosine-lacking kinase)." <i>Oncogene</i> 9(4): 1155-61.
/	C46	Schaller, et al. (1990). "[Differentiation behavior of human vaginal epithelium exemplified by keratin expression]." <i>Geburtshilfe Frauenheilkd</i> 50(5): 397-402. (English abstract)
/	C47	Stryker and Zahs (1983). "On and off sublaminae in the lateral geniculate nucleus of the ferret." <i>J Neurosci</i> 3(10): 1943-51.

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
/	C48	SWALL (SPTR) Accession Number: O35949 (1-MAR-2002).
/	C49	Terrinoni, et al. (2000). "A glutamine insertion in the 1A alpha helical domain of the keratin 4 gene in a familial case of white sponge nevus." <i>J Invest Dermatol</i> 114(2): 388-91.
/	C50	Wagener, et al. (1998). "Genomic organisation, alternative splicing and primary structure of human matrilin-4." <i>FEBS Lett</i> 438(3): 165-70.
/	C51	Wootton and Federhen (1996). "Analysis of compositionally biased regions in sequence databases." <i>Methods Enzymol</i> 266: 554-71.
	C52	Zhao, et al. (2001). "Effects of the serotonin receptor antagonist cyproheptadine on the activity and pharmacokinetics of 5,6-dimethylxanthenone-4-acetic acid (DMXAA)." <i>Cancer Chemother Pharmacol</i> 47(6): 491-7.
	C53	Zrihan-Licht, et al. (1997). "Association of csk-homologous kinase (CHK) (formerly MATK) with HER-2/ErbB-2 in breast cancer cells." <i>J Biol Chem</i> 272(3): 1856-63.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	
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Include copy of this form with next communication to applicant.